

Allied Health

Diagnostic Medical Sonography Program

CONCENTRATIONS: *Diagnostic Medical Sonography Program, Echocardiography Technology, Vascular Technology*

The diagnostic medical sonographer/technologist assists the physician in gathering sonographic data necessary to diagnose a variety of conditions involving well-being and disease. The Wilmington campus offers three program technology concentrations: general, echocardiography, and vascular. The general learning concentration focuses on the areas of abdomen, obstetrics and gynecology, and superficial structures. The cardiac learning concentration focuses on procedures that help to diagnose abnormalities related to cardiac disease. The vascular learning concentration focuses on arterial and venous diagnostic procedures in the evaluation of vascular disease.

You'll Learn

- Specialized technical skills for performing a variety of imaging techniques
- Subject matter covered on certification examinations
- To develop additional skills and abilities essential to your success on the job

You'll Earn

- An excellent salary starting at \$40,000 per year or higher
- The opportunity for a flexible work schedule part- or full-time
- A choice of working environments including private offices, hospitals, health care facilities and equipment applications specialists among others
- A strong background for educational advancement

You'll Succeed

- More than half of all new jobs require education beyond high school.
- Employees with degrees have better chances for promotion.
- Associate degree holders generally earn 30 percent more than high school graduates (according to the U.S. Department of Commerce, Census Bureau).
- College credit or advanced placement may be given for relevant work experience.
- Many credits from an associate degree can be applied toward a bachelor's degree.

Get in, Get smart, Get going. . .



Delaware Tech operates on a semester system with new sessions in late August and mid-January, plus summer sessions beginning at the end of May and in mid-June. Non-technology courses may be taken on a part- or full-time basis during any semester or the summer session. Some students may need refresher courses at the basic or pre-tech level; others may receive transfer credit for prior educational experiences. Counselors and advisors are available to help you schedule your courses.

Allied Health technology programs have a selective admission process which includes academic criteria of an algebra, biology and chemistry course at 2.0 or greater (high school or college) within the past five years and a GPA of 2.0 or greater. The prerequisite course noted below is a requirement for this specific program. Technology courses are sequential, offered only one time per year and are only open to students who have been admitted into the technology program.

People interested in entering the Diagnostic Medical Sonography Program must attend an Allied Health Information Session prior to initiating the process for admission. Information regarding these sessions may be obtained by calling (302) 888-5288. Visit the Allied Health Web site at www.dtcc.edu/wilmington/ah.

PROGRAM PREREQUISITE

General Chemistry (CHM 110) within the last five years.

TECHNICAL COURSES

Courses Required for All Concentrations:

Intro to Patient Care/Sonography provides an overview of the profession and introduces the basic techniques of working within patient care.

Acoustical Physics gives a theoretical and practical understanding of ultrasound physics and instrumentation.

Abdominal Sonography I studies diagnostic medical sonography covering cross-sectional anatomy, physiology and pathophysiology of the abdomen.

Pathophysiology studies how normal physiological processes are altered by disease.

Clinical Internships I, II, III provide the student with supervised clinical experiences for developing and refining skills in diagnostic medical sonography procedures.

Courses Required for the General Concentration:

Abdominal Sonography II continues studies started in the first course, and in addition, the superficial structures of the thyroid, parathyroid, breast and scrotal contents.

Gynecological Sonography studies the reproductive organs of the female in the non-gravid state.

Obstetrical Sonography studies the reproductive organs of the female in the gravid state.

Abdominal Sonography III provides basic information on diagnostic medical sonography in the neonate, infant and young pediatric patient.

Vascular Sonography introduces the fundamentals of vascular technology.

Special Topics is an introduction to various specialized concepts in diagnostic medical sonography.

Courses Required for the Echocardiography or Vascular Technology Concentration:

Techniques I, II, III introduce the basic techniques and continue to more specialized and advanced diagnostic testing methods in echocardiography and vascular technology.

SUPPORT COURSES

Composition

College Math & Statistics

Ethical Issues in Health Care

Conceptual Physics

Oral Communications

Anatomy & Physiology I, II

Medical Terminology

General Psychology

TO APPLY FOR ADMISSION

1. Obtain a College Admissions Application by calling (302) 888-5288. Admission applications are also available online at www.dtcc.edu/future/. Complete and return the application to the Wilmington campus with a \$10 fee.
2. Request that your high school and/or college transcripts be sent to the Wilmington Admissions Office.
3. Arrange to take the Computerized Placement Test (CPT) *unless you have already completed college-level math and English courses with a "C" grade or better*. The CPT is administered by both the Stanton (302-454-3954) and Wilmington (302-571-5343) Admissions Offices and is used to determine appropriate course placement.
4. Meet with a Delaware Tech counselor to discuss your CPT results and select your course schedule.
5. Remember to apply and register early for the best selection of courses.